Panasonic

NEW

ECO i EX

Eco Extreme

Variable Refrigerant Flow (VRF), Multi-Zone,
Heat Pump & Heat Recovery Systems

Panasonic Delivers

Eco-Friendly Air Solutions

In any indoor environment, eco-friendly air conditioning plays a vital role in maintaining our health, comfort, and productivity. Whether it's an office, a hotel, or a shopping mall, every building matters. That's why Panasonic has developed energy-efficient large-scale air conditioning solutions to suit a variety of business applications.
As one of the pillars of Panasonic's B2B operations, our air conditioning sector provides comprehensive solutions to businesses around the world. Harnessing our advanced technology and extensive on-site expertise, we serve clients in a diverse range of environments throughout the world.
Panasonic air conditioning solutions are designed from the ground up to meet the specific needs of each location, whilst placing a premium on efficiency and reliability. At every stage, we seek to make optimal use of resources and energy to create solutions that benefit the environment.

ECOi™ VRF System Your Building Life Tool.

ECOi™ has a number of diverse features to meet all your conditioning needs, including: flexible combinations: ECOi™ allows multiple indoor unit combinations that provide you with the utmost in flexible solutions. The system also allows multiple unit connectivity providing up to 150%* of the total capacity of the condensing unit. This provides 14-29 indoor units connected to one condensing unit (6-12 tons).
Inverter Control Compressor: All ECOi™ systems utilize highly advanced inverter controlled compressor technology. By varying the rotational speed of the compressor, the inverter control can precisely match the amount of refrigerant being delivered to the needs of each zone. This intelligent approach helps realize excellent efficiencies during partial-load conditions.
This allows all occupants to enjoy consistent room temperature, regardless of any increases or decreases in the heat load during the day. ECOi™ quite simply knows what you need, and when you need it throughout the day.
And even better, it does so with energy efficiency in mind.
Lower running and life cycle costs: Panasonic ECOi™ VRF systems are amongst the most efficient systems on the market, offering COPs in excess of 4.0 at full load conditions.
All Panasonic VRF systems are designed to maximize the reduction of running cost by using our unique intelligent control sequence. This is done by the most efficient combination of compressor, fan, and refrigeration management criteria. Improved defrost sequencing reduces running cost and defrost cycle.

*Exceptions apply when using Vertical Air Handlers.

Panasonic Worldwide Air Solutions

Australia Travelodge Hobart

Cooling Capacity:
302 kW / 86 USRT

Spain Hotel Claris 5 GL

Cooling Capacity:
769 kW / 218 USRT

HongKong King Yip Road

Cooling Capacity:
2,108 kW / 599 USRT

Malaysia Gapruna project

Cooling Capacity:
5,370 kW / 1,526 USRT

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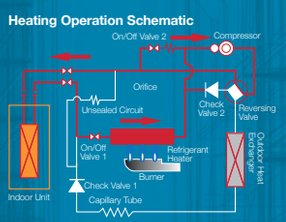
The milestones of Panasonic Airconditioning in the US.

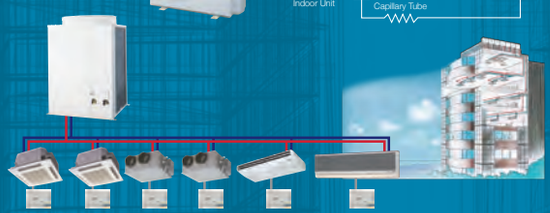
1958 Started production and sales in May under the "Home Cooler" name.

1983 Panasonic has launched ductless A/C to US market and has been leading A/C market.

1998 **Introduced revolutionary Gas Heater Air Conditioner 14KGS11.**
That maintains a consistent heating performance level, regardless of how much the ambient temperature goes down outside.



2001 **Launched VRF "Eco-Multi" to the US market.**
Eco-Multi was displayed at the AHR show, and was introduced to other ductless manufacturers.
It's the new individual air-conditioning system that effectively combines a power control compressor and an electronic refrigerant control valve.



2003 First R410a driven ductless model, 24KS62R, was introduced meeting the 2006 DOE regulation.
Again, blazed a trail to other ductless manufacturers.

2006 Refreshed the total ductless line, introducing its proven Inverter technology to the US market.

2013 Celebrating the 30th anniversary of marketing in the USA.

Introduce EXTERIOS series to US market
SEER 28.5 Highest Efficient model in Industry as of 2013/March

2014 Introduced All Inverter Driven 2way VRF "ECO-EX" & System 5

United States Shippensburg University

Cooling Capacity:
1,498 kW / 426 USRT

China Star River Group Luxury Condominium

Cooling Capacity:
16,737 kW / 4,755 USRT

Russia Innovation Center of Novosibirsk Academy

Cooling Capacity:
1,487 kW / 422 USRT

Siberia Sun City

Cooling Capacity:
1,605 kW / 456 USRT

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INDOOR UNITS LINE-UP

Panasonic introduced its first VRF to the US market in 2001 with 16 different indoor units.
Since then, it has continued to refine and expand VRF indoor model offerings, and today the model line up totals up to 49 models.
In 2015, Panasonic is replacing some indoor units with more sophisticated designs with better efficiencies. These new indoor models are also connectable to Panasonic original "ECONAVI" (optional).
Whether it's an office, a hotel, or other applications, Panasonic offers wide selections in solving your air conditioning requirements.

Type \ Nominal Cooling Capacity (Btu/h class)	7,500	9,000	12,000	15,000	18,000	24,000
MK2 TYPE Wall Mounted — NEW ECONAVI (Optional Accessory)	S-07MK2U6	S-09MK2U6	S-12MK2U6		S-18MK2U6* S-19MK2U6* (Special Order)	S-24MK2U6*
MY2 TYPE 4-way Mini Ceiling Cassette 24" x 24" — NEW ECONAVI (Optional Accessory)			S-12MY2U6		S-18MY2U6	
MU2 TYPE 4-way Ceiling Cassette 33" x 33" — NEW ECONAVI (Optional Accessory)						S-24MU2U6*
MD TYPE 1 Way Ceiling Cassette	S-07MD1U6	S-09MD1U6	S-12MD1U6			
MF2 TYPE Concealed Duct – Medium Static — NEW ECONAVI (Optional Accessory)	S-07MF2U6	S-09MF2U6	S-12MF2U6	S-15MF2U6	S-18MF2U6	S-24MF2U6
MM2 TYPE Concealed Duct – Low Static Pressure — NEW ECONAVI (Optional Accessory)	S-07MM2U6	S-09MM2U6	S-12MM2U6	S-15MM2U6	S-18MM2U6	
ME TYPE Concealed Duct –Medium-High Static						
MT2 TYPE Ceiling Suspended — NEW ECONAVI (Optional Accessory)			S-12MT2U6*		S-18MT2U6*	S-24MT2U6*
MP TYPE Floor Mounted without decorative panel	S-07MP1U6	S-09MP1U6	S-12MP1U6	S-15MP1U6	S-18MP1U6	S-24MP1U6
MR TYPE Floor Mounted without decorative panel	S-07MR1U6	S-09MR1U6	S-12MR1U6	S-15MR1U6	S-18MR1U6	S-24MR1U6
MVA TYPE Vertical Air Handler					MVA18FBAS6HBCP	MVA24FBAS6HBCP

* Available from late 2015

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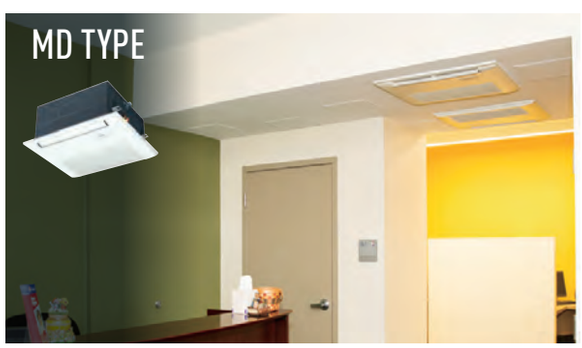
	36,000 MVA: 30,000 / 36,000	48,000 MVA: 42,000 / 48,000	54,000 MVA: 60,000
	 S-36MU2U6*		
	 S-36MF2U6	 S-48MF2U6	 S-54MF2U6
	 S-36ME1U6	 S-48ME1U6	
	 MVA30FBAS6HBCP MVA36FBAS6HBCP	 MVA42FBAS6HBCP MVA48FBAS6HBCP	 MVA60FBAS6HBCP

Actual Installation Examples



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OUTDOOR UNITS LINE-UP

ME2 series 2-WAY ECOi EX™ VRF **HEAT PUMP**

- Dual large-capacity inverter compressors (models above U-120MEU9)
- Outstanding energy saving performance: IEER : 19.1 / EER : 12.3 (in the case of 6 tons)
- Exceptional flexible piping design:
  Maximum total piping length - 3,280 Feet
  Maximum outdoor to most distant indoor unit - 164 Feet
- Extended operating range (Outdoor Temperature)
  - Cooling 14 °FDB to 122 °FDB
  - Heating -4 °FWB to 64 °FWB
- Maximum outdoor unit connects as many as 64 indoor units (50%-150% ratio of indoor to outdoor capacity)
- Expanded system capacity range (up to 30tons)

NEW ME2 series 2way ECOi EX™

MF series 3-WAY ECOi™ VRF **HEAT RECOVERY**

- Excellent performance: efficient individual air conditioning is possible in buildings having diverse room temperatures for simultaneous heating/cooling and individual operation of each indoor unit.
- Effective heat recovery system enables higher energy savings
- Improves discharge air temperature of indoor units during heating and simultaneous mode operation
- Flexible system design with Solenoid Valve Kit (can be piped up to 98ft. from indoor unit)

Cooling and Heating
Simultaneous Type

ME2 series 2-WAY ECOi EX™

Capacity (Nominal Tons)	6	8	10	12	14	16
MODEL NAME	U-72ME2U9	U-96ME2U9	U-120ME2U9	U-144ME2U9	WU-168ME2U9	WU-192ME2U9
Consisted of	U-72ME2U9	U-96ME2U9	U-120ME2U9	U-144ME2U9	U-72ME2U9 +U-96ME2U9	U-96ME2U9 +U-96ME2U9
Appearance						

MF series 3-WAY ECOi™

Capacity (Nominal Tons)	6	8
MODEL NAME	U-72MF1U9	U-96MF1U9
Consisted of	U-72MF1U9	U-96MF1U9
Appearance		

12	14	16
WU-144MF1U9	WU-168MF1U9	WU-192MF1U9-1
U-72MF1U9 x2	U-72MF1U9 +U-96MF1U9	U-96MF1U9 x2

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LE series 2-WAY MINI ECOi™ VRF **HEAT PUMP**

- Inverter Driven Twin Rotary Compressor
- One outdoor unit connects as many as 9 indoor units (50%-130% ratio of indoor to outdoor capacity)
- Nominal operating range (outdoor ambient)
  - Cooling 14 °FDB to 113°FDB
  - Heating -4 °FWB to 59 °FWB
- Flexible piping design:
  Maximum total piping length - 656 Feet
  Maximum outdoor to most distant indoor unit - 164 Feet

Cooling and Heating Type
LE series 2way

NEW

MF2 series 3-WAY ECOi EX™ **HEAT RECOVERY**

- Effective heat recovery system enables higher energy savings
- Dual large-capacity inverter compressors
- Maximum capacity up to 30tons
  Further Improved performance: efficient individual air conditioning is possible in buildings having diverse room temperatures for simultaneous heating/cooling and individual operation of each indoor unit.
- More flexible designing with extended max tubing length/more allowable connecting indoor units
- Wider operating range (Outdoor Temperature)
  - Cooling 14 °FDB to 122 °FDB
  - Heating -4 °FWB to 64 °FWB

NEW MF2 series 3way ECOi EX™

*Available from late 2015

18	20	22	24	26	28	30
WU-216ME2U9	WU-240ME2U9	WU-264ME2U9	WU-288ME2U9	WU-312ME2U9	WU-336ME2U9	WU-360ME2U9
U-96ME2U9 +U-120ME2U9	U-72ME2U9 +U-72ME2U9 +U-96ME2U9	U-72ME2U9 +U-96ME2U9 +U-96ME2U9	U-96ME2U9 +U-96ME2U9 +U-96ME2U9	U-72ME2U9 +U-120ME2U9 +U-120ME2U9	U-96ME2U9 +U-120ME2U9 +U-120ME2U9	U-120ME2U9 +U-120ME2U9 +U-120ME2U9

18	20	22	24
WU-216MF1U9	WU-240MF1U9	WU-264MF1U9	WU-288MF1U9
U-72MF1U9 x3	U-72MF1U9 x2 +U-96MF1U9	U-96MF1U9 x2 +U-72MF1U9	WU-96MF1U9 x3

LE series 2-WAY Mini ECOi™

3	4
U-36LE1U6	U-52LE1U6

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INDOOR UNITS Wide varieties of indoor units to match with your interrior design

MU2 series 4-WAY CEILING CASSETTE 33" X 33" WITH CONDENSATE PUMP

S-24MU2U6 / S-36MU2U6

KEY FEATURES:

* "ECO Friendly" R410A Refrigerant
* 208/230V, 1 Phase, 60Hz
* Four Way Air Throw
* Washable Long Life Air Filter
* Built-In Drain Pump – 25 Inch Lift
* Electronic Expansion Valve (EEV) for Accurate Refrigerant Control
* Wired or Wireless Remote Control
* Automatic or 3 Fan Speed Control
* Easy Service
* ECM Motor

NEW

ECONAVI (Optional Accessory)

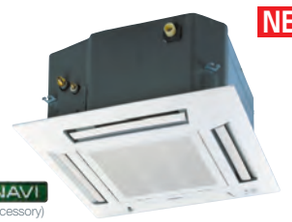
MY2 series 4-WAY CEILING MINI CASSETTE 24" X 24" WITH CONDENSATE PUMP

S-12MY2U6 / S-18MY2U6

KEY FEATURES:

* "ECO Friendly" R410A Refrigerant
* 208/230V, 1 Phase, 60Hz
* Four Way Air Throw
* Washable Long Life Air Filter
* Built-In Drain Pump – 33 Inch Lift
* Electronic Expansion Valve (EEV) for Precise Refrigerant Control
* Individual Flap Control Possible for Better Air Distribution.
* ECONAVI Attachment Possible
* Automatic or Fixed Fan Speed Control
* Easy Installation
* ECM Motor

NEW



ECONAVI (Optional Accessory)

MF2 series CONCEALED DUCT – MEDIUM STATIC

S-07MF2U6 / S-09MF2U6 / S-12MF2U6 / S-15MF2U6 / S-18MF2U6 / S-24MF2U6 / S-36MF2U6 / S-48MF2U6 / S-54MF2U6

KEY FEATURES:

* Electronic Expansion Valve (EEV) for Accurate Refrigerant Control
* Adjustable External Static Pressure
* Built-In Drain Pump – 20 Inch Lift
* Wired or Wireless Remote Control "ECO Friendly" R410A Refrigerant
* ECONAVI Connection Possible.
* Adjustable External Static Pressure
* Built-In Drain Pump – 20 Inch Lift
* Wired or Wireless Remote Control
* Automatic or Fixed Fan Speed Control
* Easy Service
* Optional Outside Air Intake
* ECM Motor

NEW

ECONAVI (Optional Accessory)

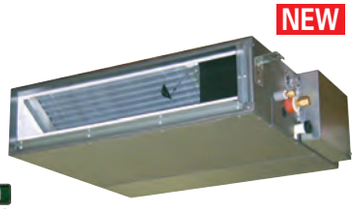
MM2 series CONCEALED DUCT – LOW STATIC PRESSURE WITH CONDENSATE PUMP

S-07MM2U6 / S-09MM2U6 / S-12MM2U6 / S-15MM2U6 / S-18MM2U6

KEY FEATURES:

* "ECO Friendly" R410A Refrigerant
* 208/230V, 1 Phase, 60Hz
* Electronic Expansion Valve (EEV) for Accurate Refrigerant Control
* Adjustable External Static Pressure
* Built-In Drain Pump – 20 Inch Lift
* Wired or Wireless Remote Control
* ECONAVI Connection Possible.
* Automatic or 3 Fan Speed Control
* Easy Service
* Low Profile Fits into Tight Ceiling Spaces
* 4 Temperature Sensors(Air Intake/ Discharge) for Optimum Operations.
* Washable Long Life Filter
* ECM Motor

NEW



ECONAVI (Optional Accessory)

MK2 series WALL MOUNTED UNIT

S-07MK2U6 / S-09MK2U6 / S-12MK2U6 / S-18MK2U6 / S-19MS2U6 / S-24MK2U6

KEY FEATURES:

* "ECO Friendly" R410A Refrigerant
* 208/230V, 1 Phase, 60Hz
* Easy Wall Mount for Any Application
* Washable Long Life Filter
* Washable Front Panel
* Electronic Expansion Valve (EEV) for Accurate Refrigerant Control
* ECONAVI Connection Possible
* New Flash Paneldesign
* Wired or Wireless Remote Control
* Automatic or Fixed Fan Speed Control
* Easy Service
* ECM Motor

NEW

ECONAVI (Optional Accessory)

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MT2 series SERIES CEILING SUSPENDED UNIT

S-12MT2U6 / S-18MT2U6 / S-24MT2U6

KEY FEATURES:

* "ECO Friendly" R410A Refrigerant
* 208/230V, 1 Phase, 60Hz
* New Round Design Fits into Numerous Ceiling Suspended Locations
* Long Distance Air Throw with New Designed Fan and DC Motor
* Washable Long Life Air Filter
* Electronic Expansion Valve (EEV) for Precise Refrigerant Control
* Wired or Wireless Remote Control
* ECONAVI Attachment Possible
* Automatic or Fixed Fan Speed Control
* Easy Service
* ECM Motor

NEW

(Optional Accessory)

MD series 1-WAY CEILING CASSETTE WITH CONDENSATE PUMP

S-07MD1U6 / S-09MD1U6 / S-12MD1U6

KEY FEATURES:

* "ECO Friendly" R410A Refrigerant
* 208/230V, 1 Phase, 60Hz
* One-Way Air Throw – Perfect for Small Spaces
* Washable Long Life Air Filter
* Built-In Drain Pump – 24 Inch Lift
* Electronic Expansion Valve (EEV) for Accurate Refrigerant Control
* Only 13 Inches Tall (Not Including Decorative Panel), 30 Inches Wide and 25 Inches Deep
* Wired or Wireless Remote Control
* Automatic or Fixed Fan Speed Control
* Optional Outside Air Intake
* Easy Service

ME series CONCEALED DUCT – MEDIUM-HIGH STATIC

S-36ME1U6 / S-48ME1U9

KEY FEATURES:

* "ECO Friendly" R410A Refrigerant
* 208/230V, 1 Phase, 60Hz
* Electronic Expansion Valve (EEV) for Accurate Refrigerant Control
* Perfect for Long Duct Runs
* Wired or Wireless Remote Control
* Automatic or Fixed Fan Speed Control
* Easy Service
* Built-In Float Safety

MP/MR series FLOOR MOUNTED

S-07MP1U6 / S-09MP1U6 / S-12MP1U6 / S-15MP1U6
S-18MP1U6 / S-24MP1U6

KEY FEATURES:

* "ECO Friendly" R410A Refrigerant
* 208/230V, 1 Phase, 60Hz
* Electronic Expansion Valve (EEV) for Accurate Refrigerant Control
* Wired or Wireless Remote Control
* Automatic or Fixed Fan Speed Control
* Easy Service
* Washable Long Life filter

FLOOR MOUNTED WITH DECORATIVE PANEL

S-07MR1U6 / S-09MR1U6 / S-12MR1U6
S-15MR1U6 / S-18MR1U6 / S-24MR1U6

KEY FEATURES:

* "ECO Friendly" R410A Refrigerant
* 208/230V, 1 Phase, 60Hz
* Electronic Expansion Valve (EEV) for Accurate Refrigerant Control
* Wired or Wireless Remote Control
* Automatic or Fixed Fan Speed Control
* Easy Service
* Washable Long Life filter

FLOOR MOUNTED WITHOUT DECORATIVE PANEL

MVA series CONCEALED DUCT – VERTICAL MULTI POISE*

MVA18FBAS6HBCP/ MVA24FBAS6HBCP/ MVA30FBAS6HBCP/ MVA36FBAS6HBCP/ MVA42FBAS6HBCP/ MVA48FBAS6HBCP/ MVA60FBAS6HBCP

KEY FEATURES:

* Eco-Friendly R410A Refrigerant
* 208/230V, 1 Phase , 60Hz
* Electronic Expansion Valve (EEV) for Accurate Refrigerant Control
* Multi-position (Horizontal/Vertical) Possible
* High Efficient ECM(DC) Fan Motor
* Optional Electric Heater Available (Field installed)
* 19 Gauge Galvanized External Panel with Baked on Polyester Powder Coating
* Adjustable External Static
* With 1 Inch Filter Rack
* Optional Filter Available. (2" or 4" Fiter RACK)

*Capacity ratio is adjusted when using the MVA Series.

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CONTROL SYSTEMS

SIMPLE SYSTEM CONTROL NETWORK

WIRED REMOTES SIMPLE TO INSTALL

NEW

CZ-RTC3
High-spec
Wired Remote Controller

NEW

CZ-RTC4
Standard Remote/
7-Day Timer For Use With All Indoor Units

CZ-RE2C2
Simple Remote
Controller

ECONAVI SENSOR

ECONAVI

NEW

CZ-CENSC1
ECONAVI,CZ-CENSC1 needs to be connected with Wired Remote Control, CZ-RTC3 to function.

WIRELESS REMOTES CONTROL IN THE PALM OF YOUR HAND.

CZ-RWSU1U
For Use With MU Indoor Units

CZ-RWST1U
For Use With MD and MT
Indoor Units

CZ-RWSK1U
For Use With MK
Indoor Units for
CZ-RWSC3

CZ-RWSC3
Remote Controller Receiver to be used with CZ-RWSK1U MM, MF, ME, MP and MR Indoor Units

MULTIPLE ZONE CONTROLLERS
THE HEART AND SOUL OF CONDITIONING

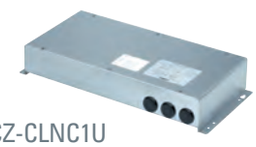
CZ-64ESMC1U
System Controller

CONTROLS UP TO 256 INDOOR UNITS

CZ-256ESMC1U
Intelligent Controller

BUILDING MANAGEMENT INTEGRATION

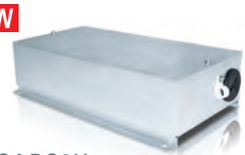
LONWORKS INTERFACE
SINGLE POINT OF CONTROL



CZ-CLNC1U
LonWorks Interface

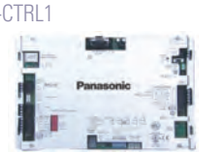
LOCAL ADAPTOR FOR ON/OFF CONTROL

NEW



CZ-CAPC2U

BMS CONTROLLER
BMS-CTRL1



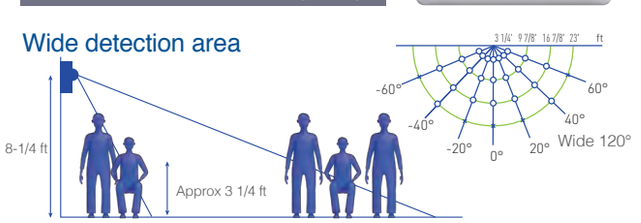
BMS-CTRL1
BacNet Interface

ECONAVI Sensor Kit (CZ-CENSC1)

ECONAVI detects activity levels to enable fine-tuned energy savings

Optimally positioned ECONAVI sensors eliminate "blind" areas to enable maximum energy savings

Wide detection area

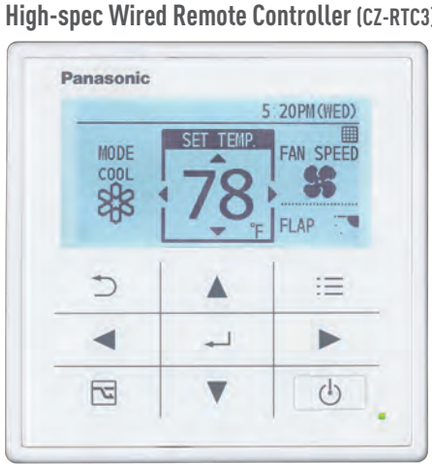


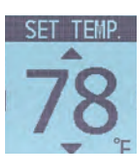
A sensor is remotely set to maximise the detection area.

Installation flexibility ready for indoor unit replacement and layout changes.

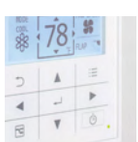
Energy-saving effect tested and verified by field test
CZ-CENSC1 must be connected with CZ-RTC3/4 to function as ECONAVI

High-spec Wired Remote Controller (CZ-RTC3)

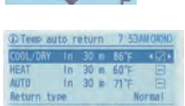




Large 3.5" Full-dot LCD with White LED Backlight

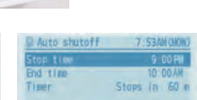


Stylish, Easy-to-use Touch Key Design



Temperature Auto Return

Temperature Setting Range



Auto Shutoff

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IEER INTEGRATED ENERGY EFFICIENCY RATIO

ECOi™ System Certified Efficiency Ratings

ME2 SERIES 2-WAY ECOi HEATPUMP

Rating Standard: AHRI 1230		COOLING PERFORMANCE			HEATING PERFORMANCE			
System Model Number	Indoor Unit Rating Type	Capacity Btu/h	EER 95F°	IEER	High Heating 47°F		Low Heating 17°F	
					Capacity (Btu/h)	COP	Capacity (Btu/h)	COP
U-72ME2U9	Ducted	69,000	12.3	19.1	77,000	3.56	52,000	2.56
U-72ME2U9	Non Ducted	69,000	12.6	22.1	77,000	3.86	52,000	2.63
U-96ME2U9	Ducted	92,000	11.9	19.3	103,000	3.54	67,000	2.42
U-96ME2U9	Non Ducted	92,000	11.9	23.1	103,000	3.75	67,000	2.59
U-120ME2U9	Ducted	114,000	11.5	19.3	129,000	3.40	75,000	2.30
U-120ME2U9	Non Ducted	114,000	11.8	24.8	129,000	3.60	75,000	2.40
U-144ME2U9	Ducted	138,000	10.9	18.7	154,000	3.27	100,000	2.18
U-144ME2U9	Non Ducted	138,000	10.7	22.6	154,000	3.35	100,000	2.41
WU-168ME2U9	Ducted	160,000	11.7	19.0	180,000	3.45	119,000	2.30
WU-168ME2U9	Non Ducted	160,000	11.6	23.2	180,000	3.50	119,000	2.38
WU-192ME2U9	Ducted	184,000	11.2	18.4	206,000	3.40	134,000	2.25
WU-192ME2U9	Non Ducted	184,000	11.1	22.6	206,000	3.39	134,000	2.26
WU-216ME2U9	Ducted	206,000	11.0	18.0	232,000	3.38	142,000	2.23
WU-216ME2U9	Non Ducted	206,000	10.9	22.3	232,000	3.35	142,000	2.34
WU-240ME2U9	Ducted	228,000	10.7	17.7	258,000	3.36	150,000	2.18
WU-240ME2U9	Non Ducted	228,000	10.8	22.8	258,000	3.25	150,000	2.22
WU-264ME2U9	Ducted	252,000	10.2	17.3	284,000	3.35	176,000	2.16
WU-264ME2U9	Non Ducted	252,000	10.1	20.8	284,000	3.22	176,000	2.12
WU-288ME2U9	Ducted	274,000	9.8	16.9	308,000	3.28	200,000	2.14
WU-288ME2U9	Non Ducted	274,000	9.6	19.5	308,000	3.20	200,000	2.06
WU-312ME2U9	Ducted	298,000	10.4	17.7	334,000	3.27	202,000	2.16
WU-336ME2U9	Ducted	320,000	10.3	17.2	360,000	3.23	218,000	2.13
WU-360ME2U9	Ducted	342,000	10.1	16.6	386,000	3.20	226,000	2.10

MF SERIES 3-WAY ECOi Heat Recovery System

Rating Standard: AHRI 1230			COOLING PERFORMANCE			HEATING PERFORMANCE				SIMULTANEOUS OPERATION PERFORMANCE
Type	System Model Number	Indoor Unit Rating Type	Capacity (Btuh)	EER	IEER	High Heating 47F		Low Heating 17F		
						Capacity (Btu/h)	COP	Capacity (Btu/h)	COP	Simultaneous Cooling-Heating Efficiency (SCHE)
Heat Recovery	U-72MF1U9	Ducted	72,000	11.4	16.4	81,000	3.5	47,000	2.28	24.0
Heat Recovery	U-72MF1U9	Non-Ducted	69,000	10.9	17.1	77,000	3.31	42,000	2.25	24.7
Heat Recovery	U-96MF1U9	Ducted	95,000	11.0	16.0	106,000	3.3	69,000	2.25	23.1
Heat Recovery	U-96MF1U9	Non-Ducted	93,000	10.9	16.7	103,000	3.31	58,500	2.25	23.5
Heat Recovery	WU-144MF1U9	Ducted	138,000	10.8	16.4	156,000	3.21	93,000	2.05	23.1
Heat Recovery	WU-144MF1U9	Non-Ducted	136,000	10.9	17.1	150,000	3.31	83,000	2.25	23.8
Heat Recovery	WU-168MF1U9	Ducted	164,000	10.7	16.1	184,000	3.21	114,000	2.05	22.6
Heat Recovery	WU-168MF1U9	Non-Ducted	160,000	10.5	16.9	178,000	3.21	98,000	2.05	23.3
Heat Recovery	WU-192MF1U9-1	Ducted	180,000	10.6	16.0	202,000	3.21	132,000	2.05	22.3
Heat Recovery	WU-192MF1U9-1	Non-Ducted	174,000	10.5	16.7	196,000	3.21	114,000	2.05	22.8
Heat Recovery	WU-216MF1U9	Ducted	202,000	10.6	16.0	228,000	3.21	136,000	2.05	22.2
Heat Recovery	WU-216MF1U9	Non-Ducted	198,000	10.5	16.6	220,000	3.21	120,000	2.05	22.9
Heat Recovery	WU-240MF1U9	Ducted	230,000	10.5	16.0	264,000	3.21	158,000	2.05	22.0
Heat Recovery	WU-240MF1U9	Non-Ducted	220,000	10.5	16.4	246,000	3.21	136,000	2.05	22.4
Heat Recovery	WU-264MF1U9	Ducted	258,000	9.7	15.9	288,000	3.21	176,000	2.05	21.6
Heat Recovery	WU-264MF1U9	Non-Ducted	252,000	9.4	16.3	268,000	3.21	150,000	2.05	22.0
Heat Recovery	WU-288MF1U9	Ducted	280,000	9.6	15.8	312,000	3.21	194,000	2.05	21.2
Heat Recovery	WU-288MF1U9	Non-Ducted	274,000	9.4	16.2	292,000	3.21	164,000	2.05	21.6

LE Series MINI ECOi™ MULTI SPLIT 2-WAY VRF HEAT PUMP SERIES

Cooling Performance / Heating Performance

System Model Number	Indoor Unit Rating Type	High Cooling 95F			High Heating 47F			Low Heating 17F	
		Capacity (Btu/h)	EER (Btu/W,h)	SEER (Btu/W,h)	Capacity (Btu/h)	COP (W/W)	HSPF (Btu/W,h)	Capacity (Btu/h)	COP (W/W)
U-36LE1U6	Non-Ducted	39,000	11.5	17.0	43,000	3.40	9.8	28,000	2.7
	Ducted	37,000	11.0	16.6	38,500	3.64	9.3	25,400	2.5
U-52LE1U6	Non-Ducted	52,000	10.2	17.4	58,500	3.40	9.6	32,500	2.8
	Ducted	51,500	10.1	16.1	58,000	2.96	8.3	32,000	2.0

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⚠ Caution Related to Safety	Do not add or replace refrigerant other than the specified type. Manufacturer is not responsible for the damage and deterioration in safety due to usage of other refrigerant.